

Supplement for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/609,012
		Filing Date	June 27, 2003
		First Named Inventor	Theo T. Nikiforov
		Art Unit	1637
Sheet	of	Examiner Name	Jeffrey Siew-Teresa Stnelechia
		Attorney Docket Number	100/07933

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number - Kind Code (if known)			
T.S.	AA	US-5,143,854	09-01-1992	Pirrung et al.	
	AB	✓ US-5,527,688	06-18-1996	Mallia	
	AC	✓ US-5,587,285	12-26-1996	Cloyd et al.	
	AD	✓ US-5,646,001	07-08-1997	Terstappen et al.	
	AE	✓ US-5,665,865	09-9-1997	Lerner et al.	
	AF	✓ US-5,688,648	11-18-1997	Mathies et al.	
	AG	✓ US-5,707,804	01-13-1998	Mathies et al.	
	AH	✓ US-5,728,528	03-17-1998	Mathies et al.	
	AI	✓ US-5,744,305	04-28-1998	Fodor et al.	
	AJ	✓ US-5,747,247	05-05-1998	Kowalczykowski et al.	
	AK	✓ US-5,779,868	07-14-1998	Parce et al.	
	AL	✓ US-5,783,687	07-21-1998	Glazer et al.	
	AM	✓ US-5,853,992	12-29-1998	Glazer et al.	
	AN	✓ US-5,858,195	01-12-1999	Ramsey	
	AO	✓ US-5,869,255	02-09-1999	Mathies et al.	
	AP	✓ US-5,885,470	03-23-1999	Parce et al.	
	AQ	✓ US-5,925,558	07-20-1999	Tsien et al.	
	AR	✓ US-6,071,748	06-06-2000	Modlin et al.	
	AS	✓ US-6,087,107	07-11-2000	Sheffield et al.	
	AT	✓ US-6,100,039	08-08-2000	Burke et al.	
	AU	✓ US-6,149,787	11-21-2000	Chow et al.	
	AV	✓ US-6,153,073	11-28-2000	Dubrow et al.	
	AW	✓ US-6,203,994	03-20-2001	Epps et al.	
	AX	✓ US-6,326,142	12-04-2001	Royer	
TS	AY	✓ US-6,503,709	01-07-2003	Bekkaoui et al.	
	AZ	US-09/321,309		Sundberg et al.	
TS	BA	US-2002/0061546	05-23-2002	Tsien et al.	
Examiner Signature		Teresa Stnelechia		Date Considered	12/13/05

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				Attorney Docket Number	100/07933

TS *Tessa Struelens*

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code - Number - Kind Code (if known)				
TS	✓ BB	WO-95/15981	06-15-1995	Univ. Utah		
	✓ BC	WO-98/00231	01-08-1998	Caliper		
	✓ BD	WO-98/00705	01-08-1998	Caliper		
	✓ BE	WO-98/18956	05-07-1998	Panvera		
	✓ BF	WO-98/45481	10-15-1998	Caliper		
	✓ BG	WO-99/16162	04-01-1999	Caliper		
	✓ BH	WO-99/23466	05-14-1999	LJL Biosystems		
	✓ BI	WO-00/23785	04-27-2000	LJL Biosystems		
TS	✓ BJ	EP-0 781 853	07-02-1997	Eli Lilly Co.		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
<i>TS</i>	<i>✓</i> BK	ANDERSSON, L. et al., "Isolation of Phosphoproteins by Immobilized Metal(Fe3+) Affinity Chromatography," Anal Biochem. (1986) 154:250-254		
	<i>✓</i> BL	CHECOVICH, W.J. et al., "Fluorescence Polarization-a New Tool for Cell and Molecular Biology," Nature (1995) 75:254-256		
	<i>✓</i> BM	CHEN, W. et al., "Fluorescence Polarization in Homogeneous Nucleic Acid Analysis," Genome Res. (1999) 9:492-8 <i>May</i>		
	<i>✓</i> BN	DANDLIKER, B.B. et al., "Quantification of the Antigen-Antibody Reaction by the Polarization of Fluorescence," Biochem Biophys Res Commun. (1961) 5:299-304		
	<i>✓</i> BO	DANDLIKER, B.B. et al., "Fluorescence Polarization in Immunochemistry," Immunochemistry (1970) 7:799		
	<i>✓</i> BP	DANDLIKER, B.B. et al., "Fluorescence Polarization Immunoassay. Theory and Experimental Method," Immunochemistry (1973) 10:219		
	<i>✓</i> BQ	DESHPANDE, S.S. et al., "A Robust, Versatile Tyrosine Kinase Assay for HTS in Drug Discovery," Prog. Biomed. Optics (SPIE) (1999) 3603:251-61		
	<i>✓</i> BR	DEVLIN, R. et al., "Homogeneous Detection of Nucleic Acids by Transient-State Polarized Fluorescence," Clin. Chem. (1993) 39:1939		
<i>TS</i>	<i>✓</i> BS	EGHOLM, M. et al., <u>Nature</u> (1993) 365:566-568		

Examiner Signature	<i>Tessa Struelens</i>	Date Considered	<i>12/21/05</i>
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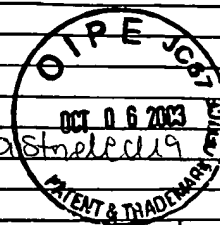
(Note: A circular stamp is visible on the right side of the form, containing the text "OIP E JCA" and "OCT 0 5 2003".)

TS	✓ BT	EVETT, J. et al., "DNA-Polylysine Interaction as Studied by Polarization of Fluorescence," Ann. N.Y. Acad. Sci. (1969) 158:210-22	~
	✓ BU	GIBSON, et al., "A Homogeneous Method for Genotyping with Fluorescence Polarization," Clinical Chemistry (1997) 43:1336-41	
	✓ BV	GINGERAS, T.R. et al., "A Spectrofluorometric Method for Measurement of Restriction Endonuclease Activity Based on Fluorescence Polarization," J. Cell. Biochem. Suppl. (1992) Suppl. 17 Part C, p. 173	~
	✓ BW	GLOTOV, B.O. et al., "Histone H1-DNA Interaction: Influence of Phosphorylation on the Interaction of Histone H1 with Linear Fragmented DNA," Nucleic Acids Research (1977) 4:1065:82	
	✓ BX	GREEN, R.C. "Fluorescence Polarization Colloid Charge Titration: Development and Application for Feed Forward Coagulant Control at Water Treatment Facilities," Ph.D. Thesis, University of Colorado (1997)	
	✓ BY	ICHIMURA, S. et al., "The Interaction of 8-Anilino-1-Naphthalanesulfonate with Polylysine and Polyarginine," Biopolymers (1977) 16:1449-64	
	✓ BZ	JISKOOT, W. et al., "Preparation and Application of a Fluorescein-labeled Peptide for Determining the Affinity Constant of a Monoclonal Antibody-Hapten Complex by Fluorescence Polarization," Anal. Biochem. (1991) 196:421	°
	✓ CA	JOLLEY, M.E. et al., "Fluorescence Polarization Immunoassay I. Monitoring Aminoglycoside Antibiotics in Serum and Plasma," Clinical Chemistry (1981) 27:1190-97	~
	✓ CB	JOLLEY, M.E. et al., "Fluorescence Polarization Assays for the Detection of Proteases and Their Inhibitors," Journal of Biomolecular Screening (1996) 1:33-38	~
	✓ CC	JORDEN, R.M. et al., "Colloid Charge Capacity-Its Measurement, Problems and Promise," Chemical Water and Wastewater Treatment IV (1997) 121-35	
	✓ CD	KUMKE, M.U. et al., "Hybridization of Fluorescein-Labeled DNA Oligomers Detected by Fluorescence Anisotropy with Protein Binding Enhancement," Anal. Chem. (1995) 67:3945-51	
	✓ CE	LAURENCE, D.J.R., "A Study of the Adsorption of Dyes on Bovine Serum Albumin by the Method of Polarization of Fluorescence," Biomechanical Journal (1952) 51:165-77 "	
	✓ CF	LEVINE, L.M. et al., Anal. Biochem. (1997) 247:83-88	
	✓ CG	LEVISON, S.A. et al., "Fluorescence Polarization Measurement of the Hormone-Binding Site Interaction," Endocrinology (1976) 99:1129	~
	✓ CH	LUNDBLAD, J.R., et al., "Fluorescence Polarization Analysis of Protein-DNA and Protein-Protein Interactions," Molecular Endocrinology (1996) 10:607-612	~
TS	✓ CI	LYNCH, B.A. et al., "A Fluorescence Polarization Based Src-SH2 Binding Assay," Analytical Biochemistry (1997) 247:77-82	

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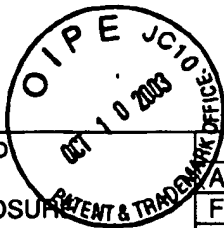
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TS	✓	CJ	MURAKAMI, A. et al., "Nucl. Acids Res. (1991) 19:4097-4102	
	✓	CK	OWICKI, J.C. et al., "Application of Fluorescence Polarization Assays in High-Throughput Screening," Genetic Engineering News (1997)	
	✓	CL	OZERS, M.S. et al., "Equilibrium Binding of Estrogen Receptor with DNA Using Fluorescence Anisotropy," J. Biol. Chem. (1997) 272:30405-11	
	✓	CM	SCHADE, S.Z. et al., "BODIPY-a-Casein, a pH-Independent Protein Substrate for Protease Assays Using Fluorescence Polarization," Analytical Biochemistry (1996) 243:1-7	
	✓	CN	SMALLSHAW, J.C. et al., "Determination of the Binding Constants for Three HPr-Specific Monoclonal Antibodies and Their Fab Fragments," Mol. Biol. (1998) 280:765-74	
	✓	CO	TANHA, J. et al., "Thermodynamic Analysis of Monoclonal Antibody Binding to Duplex DNA," Nucleic Acids Research (1997) 25:1442-49	
	✓	CP	TYAGI, S. et al., Nature Biotech, (1996), 14:303-308	
	✓	CQ	TYAGI, S. et al., Nature Biotech, (1998), 16:49-53	
	✓	CR	WALKER, G.T. et al., "Strand Displacement Amplification (SDA) and Transient-State Fluorescence Polarization Detection of Mycobacterium Tuberculosis DNA," Clinical Chemistry (1996) 42:9-13	
	✓	CS	WALKER, G.T. et al., Nucl. Acids Res. (1996), 24(2):34-353- 348-353	
	✓	CT	WEBER, G. "Rotational Brownian Motion and Polarization of the Fluorescence of Solutions," Adv. Protein Chem. (1953) 8:415	
	✓	CU	WEI, A. et al., "Use of Synthetic Peptides as Tracer Antigens in Fluorescence Polarization Immunoassays of High Molecular Weight Analytes," Anal. Chem. (1993) 65:3372	
	✓	CV	WILKINSON, D. "Tyr'd and True: Immunochemical Reagents and Kits for Studying Tyrosine Phosphorylation," The Scientist (1999) pp. 13-21	
	✓	CW	WU, P. et al., "A High-Throughput STAT Binding Assay Using Fluorescence Polarization," Anal. Biochem. (1997) 249:29-36	
TS		CX	PanVera Corporation "Fluorescence Polarization Applications Guide", Madison, WI	

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(Modified) PTO/SB/08A (10-01)
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		Art Unit	1637	
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		Number - Kind Code (if known)			
TS	AA ✓	5,804,395	09-08-1998	Schade et al.	
	AB ✓	6,287,774	09-11-2001	Nikiforov	
	AC ✓	6,436,646	08-20-2002	Nikiforov	
TS	AD ✓	6,472,141	10-29-2002	Nikiforov	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code - Number - Kind Code (if known)				
TS ✓	AE ✓	WO-9412665	06-09-1994	R-P Technologies		
TS ✓	AF ✓	WO-9964840	07-07-1999	Caliper		
	AG ✓	WO-0023785	04-27-2000	LJL Biosystems	duplicate	
	AH ✓	EP-781-853	07-02-1997	Eli Lilly Co.	duplicate	
TS ✓	AI ✓	EP-786-666	07-30-1997	Hoffman La Roche		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.			T
TS	AJ ✓	COFFIN, J. et al., "Detection of Phosphopeptides by Fluorescence Polarization in the Presence of Cationic Polyamino Acids: Application to Kinase Assays" <u>Anal. Biochem.</u> (2000) 278:206-212			
	AK ✓	ERICKSON, A.C. et al., "Metal (Fe3+) Affinity Chromatography: Differential Adsorption of Tau Phosphoproteins" <u>J. Neurosci. Methods</u> (1993) 46:245-249			
	AL ✓	MUSCZYNSKA, G. et al., "Selective Adsorption of Phosphoproteins on Gel-Immobilized Ferric Chelate" <u>Biochemistry</u> (1986) 25:6850-6853			
	AM ✓	NIKIFOROV, THEO T. et al., "Detection of Hybrid Formation between Peptide Nucleic Acids and DNA by Fluorescence Polarization in the Presence of Polylysine" <u>Anal. Biochem.</u> (1999) 275:248-253			
	AN ✓	PARK, Y-W. et al., "Homogeneous Proximity Tyrosine Kinase Assays: Scintillation Proximity Assay versus Homogeneous Time-Resolved Fluorescence" <u>Anal. Biochem.</u> (1999) 269:94-104			
	AO ✓	SEETHALA, R. et al., "A Homogeneous, Fluorescence Polarization Assay for Src-Family Tyrosine Kinases" <u>Anal. Biochem.</u> (1997) 253:210-218			

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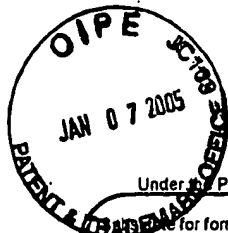
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TS	AP	SEETHALA, R. et al., "A Fluorescence Polarization Competition Immunoassay for Tyrosine Kinases" <u>Anal. Biochem.</u> (1998) 255:257-262	
TS	AQ	URIOS, P. et al., "Adaptation of Fluorescence Polarization Immunoassay to the Assay of Macromolecules" <u>Anal. Biochem.</u> (1990) 185:308-312	
←	AR	Molecular Devices Corporation's redacted version of its Opposition to Caliper's Motion for Preliminary Injunction in pending litigation US Civil Case No. C-02-1837 (CRB) and supporting declaration by Andrew R. Barron and Richard Sportsman	✓
←	AS	Claim Construction Order, US District Court, Northern District of California, Case No. C 02-01837, September 3, 2003	✓

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PTO/SB/08B (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/609,012
Filing Date	06/27/2003
First Named Inventor	Theo T. Nikiforov
Art Unit	1645
Examiner Name	Unknown <i>Teresa Stueckler</i>
Attorney Docket Number	100/07933

Sheet	1	of	1
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	SEETHALA, Ramakrishna, et al., "A Homogenous Fluorescence Polarization Assay for Src Family Tyrosine Kinases," Anal. Chem., Vol. 253, 11/15/1997, pgs. 210-218. <i>duplicate</i>	
	CB	SEETHALA, Ramakrishna, et al., "A Fluorescence Polarization Competition Immunoassay for Tyrosine Kinases," Anal. Chem., Vol. 255, 1/15/1998, pgs. 257-262. <i>duplicate</i>	

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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